Federal Student Aid (FSA)
Financial Partners Portal Rollout – Release 1

System Integration Test Plan

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1.0 System Integration Test Overview

The System Integration Test Plan provides an overview of the testing necessary to ensure that the functionality delivered meets the requirements that have been identified for the Financial Partners Portal Rollout for Release 1. Included in this document is a list of detailed items that will be incorporated into test scripts and applied in the System Integration Testing.

The main purposes of System Integration Test was to:

- Test Application Functionality (search function, 508 Compliance, links, etc…).
- Confirm Content Management and Production.
- Validate all of the above within a system test environment.

Entry Criteria for System Integration Test Execution:

- All applications and application components necessary for cycle to be completed have been inventoried and promoted.
- System Integration Test Plan is complete.
- Resources to execute tests are available.
- The System Test environment is in place.

Exit Criteria for System Integration Test:

- All test cases and conditions have been executed successfully.
- Identified errors and defects have been corrected and re-tested.
- All issues and incidents have been properly documented and worked through the resolution process.
- All reviews were conducted, and that the review yields satisfactory results.

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2.0 System Integration Test Scope

System Integration Test cases will be based on the following:

- Application Functionality
- Content Management and Production

3.0 Roles and Responsibilities

System Integration Testing involved the Financial Partners Portal Rollout Team. The primary role for the System Integration Testing effort was the Test Team Analyst. This role is described below:

3.1 Test Team Analysts

- Assist in the development of the System Integration Test Plan.

- Execute the System Integration tests.

- Evaluate the System Integration test results.

- Report all incidents and problems encountered during testing activities.

Ms. Teale Taggart, Mr. Bryan Hykes and Ms. Anne Jensen will serve as the System Test Team Analysts.

3.2 Test Team Lead

- Define a System Integration Test Plan.

- Define System Integration test cases and scripts.

- Monitor the testing process to identify problems, mitigate potential risks and schedule slippage.

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- Review test results with the test team to clarify questions, concerning system functionality and discrepancies with expected results, and ensured that the system testing activity was a valid and complete exercise.

- Certify that the testing process was comprehensive in scope and complete manage the execution of system integration tests.

Erick Middleton will serve as the Test Team Lead

4.0   Executing and Validating Test Cases

Each test case was designed as a discrete, executable exercise that would return a predictable result. Test Cases included a setup, input, and expected result sections. Each test case was designed to verify the functionality of a business scenario and described step by step how the business scenario was being tested.

The actual test results were then compared to the expected results to determine if the test ran correctly, "Pass" (or incorrectly, "Fail") by the Test Team Analyst executing the case.

A "discrepancy" was defined as the difference between what was *expected* to happen and what *actually* happened. Discrepancies were initially evaluated to ensure that they represent system defects. The initial evaluation of discrepancies included:

- Review of the test data;

- Review of the test environment;

- Review of test scripts;

- Review of actual system functioning.

If it was determined that the "discrepancy" represented a system defect, the incident was forwarded to the development team for assessment and proposed solution. After successfully testing the modification, the incident was designated as "closed" by the Test Team Lead.

Validation of a test case occurred when the specific test activity has a status of "Pass" and was reviewed by the Test Team Lead. Completion of System Integration Testing was dependent upon each test activity having a status of "pass".

5.0   Test Scenarios/Cases

The following is a list of test cases, which will be used to write detailed test scripts. Detailed test scripts with expected results will be documented for each item listed below.

5.1   General Application Functionality
- Verify that all pages within the Financial Partners Portal are compliant with Section 508 of the American with Disabilities Act.
- Verify that a user can search all content within the Financial Partners Portal.
- Verify that the portal administrator can update content within the Financial Partners Portal.
- Verify the functionality of the Technical Help link and that the Technical Help link is accessible on all the pages within the Financial Partners Portal.

5.2   General Content
- Verify that the formatting, navigation, graphics, colors, and fonts is consistent throughout the Financial Partners Portal.
- Verify the functionality of the Privacy link and that the Privacy link is accessible on all the pages within the Financial Partners Portal.
- Verify the functionality of the Security link and that the Security link is accessible on all the pages within the Financial Partners Portal.
- Verify the functionality of the Notices link and that the Notices link is accessible on all the pages within the Financial Partners Portal.
- Verify that a user can switch the Financial Partners Portal to English or Spanish by clicking the corresponding language button.
- Verify that the FSA logo is prominently displayed and in the same location on each page within the Financial Partners Portal.
- Verify that the Department of Education seal is displayed on all the pages within the Financial Partners Portal.
- Verify that the Department of Education text "U.S. Department of Education" is displayed next to the Dept. of ED. Logo on all the pages within the Financial Partners Portal.
- Verify the functionality of the About Us link and that the About Us link is accessible on all the pages within the Financial Partners Portal.
- Verify the functionality of the Site Map link and that the Site Map link is accessible on all the pages within the Financial Partners Portal.
- Verify the functionality of the Survey link and that the Survey link is accessible on all the pages within the Financial Partners Portal.
- Verify the functionality of the Home link and that the Home link is accessible on all the pages within the Financial Partners Portal.

5.3   General Content, FP Helpful Links
- Verify the functionality of the Community Members link and that the Community Members link is accessible in the left navigation bar on all the pages within the Financial

Partners Portal.
- Verify the functionality of the Current Activities link and that the Current Activities link is accessible in the left navigation bar on all the pages within the Financial Partners Portal.
- Verify the functionality of the Contact Resources link that the Contact Resources link is accessible in the left navigation bar on all the pages within the Financial Partners Portal.
- Verify the functionality of the Publications link and that the Publications link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.
- Verify the functionality of the Interest Rates link and that the Interest Rates link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.

5.4   General Content, FSA Links
- Verify the functionality of the Schools Portal link and that the Schools Portal link is accessible in the left navigation bar on all the pages within the Financial Partners Portal.
- Verify the functionality of the Students Portal link and that the Students Portal link is accessible in the left navigation bar on all the pages within the Financial Partners Portal.
- Verify the functionality of the Loan & Grant Resources link and that the Loan & Grant Resources link is accessible in the left navigation bar on all the pages within the Financial Partners Portal.
- Verify the functionality of the Community Calendar link and that the Community Calendar link is accessible in the left navigation bar on all the pages within the Financial Partners Portal.
- Verify the functionality of the SFA University Conference Registration link and that the SFA University Conference Registration link is accessible in the left navigation bar on all the pages within the Financial Partners Portal.
- Verify the functionality of the Financial Management System (FMS) link and that the Financial Management System (FMS) link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.
- Verify the functionality of the DataMart link and that the DataMart link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.
- Verify the functionality of the National Student Loan Data System (NSLDS) link and that the National Student Loan Data System (NSLDS) link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.
- Verify the functionality of the OPE link and that the OPE link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.
- Verify the functionality of the Dept. of Education link and that the Dept. of Education link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.
- Verify the functionality of the Counseling Resources link and that the Counseling Resources link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.
- Verify the functionality of the Advisory Committee link and that the Advisory Committee link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.
- Verify the functionality of the Inspector General link and that the Inspector General link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.

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- Verify the functionality of the IFAP link and that the IFAP link is accessible in the left navigation bar on all pages except the Financial Partners Homepage.

5.5   Home Page Content
- Verify that the Financial Partners homepage is the default page that appears when the user first comes to the site or when the Home link is clicked.
- Verify that the Financial Partners homepage includes a description of the portal.
- Verify the functionality of the Financial Management System (FMS) quick access link.
- Verify the functionality of the DataMart quick access link.
- Verify the functionality of the National Student Loan Data System (NSLDS) quick access link.
- Verify the functionality of the News Information links in the New Information box.
- Verify the functionality of the Publications link in the Publications box.
- Verify the functionality of the Interest Rate link in the Interest Rates box.
- Verify the functionality of the What's New link in the What's New box.
- Verify the functionality of the Tell Us How We Are Doing links in the Tell Us How We Are Doing box.

5.6   Community Members, Application Functionality
- Verify that a user can search categorically for guarantors, lenders, servicers and state agencies.
- Verify that a user can search alphabetically for guarantors, lenders, servicers and state agencies.
- Verify that a user can search by acronym for guarantors, lenders, servicers and state agencies.

5.7   Current Activities, Content
- Verify the existence of the Financial Partners Current Activities Listings.
- Verify the functionality of the Current Projects links.
- Verify the functionality of the Recent Presentations link.

5.8.1   Contact Resources, Content
- Verify the functionality of the Northern Region Contact Information link.
- Verify the functionality of the Eastern Region Contact Information link.
- Verify the functionality of the Southern Region Contact Information link.
- Verify the functionality of the Western Region Contact Information link.
- Verify the functionality of the Dept. of Education Employee Locator System link.

5.8.2   Content Resources, Application Functionality
- Verify the functionality of the Regionally Colored US Map links by clicking on each state.
- Verify the functionality of the FP Organizational Chart Link.
- Verify the functionality of the Schools Channel Organizational Chart Link.
- Verify the functionality of the Students Channel Organizational Chart Link.
- Verify the functionality of the CFO Organizational Chart Link.
- Verify the functionality of the CIO Organizational Chart Link.

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5.9   Publications, Content
- Verify the functionality of the Action Letters link.
- Verify the functionality of the Dear Partner (Colleague) Letters link.
- Verify the functionality of the Electronic Announcements link.
- Verify the functionality of the New Federal Registers link.
- Verify the functionality of the Regulations Compilations link.
- Verify the functionality of the SFA Handbooks link.
- Verify the functionality of the Law link.

5.10.1   Interest Rates, Content
- Verify the functionality of the Current Interest Rates link.
- Verify the functionality of the Calendar-Year Rate for Plus/SLS Loans link.
- Verify the functionality of the Current Special Allowance Rates link.
- Verify the functionality of the Memo link.
- Verify the functionality of the Legislation That Impact Rates link.

5.10.2   Interest Rates-Current Interest Rates, Content
- Verify the functionality of the FFEL Regular Variable-Rate Stafford Interest Rates link.
- Verify the functionality of the FFEL Variable-Rate PLUS and SLS Loan Interest Rates link.
- Verify the functionality of the FFEL Variable-Rate and Fixed-Rate Consolidation Loan Interest
  Rates link.

5.11   Loan & Grant Resources, Content
- Verify the functionality of the Direct Loan Servicing Online link.
- Verify the functionality of the PEPS link.
- Verify the functionality of the LEAP SLEAP link.
- Verify the functionality of the FFEL link.
- Verify the functionality of the eCampus Based System link.
- Verify the functionality of the Gear Up (Gain Early Awareness for Undergraduate Programs
  link.
- Verify the functionality of the Federal TRIO Programs – Educational Opportunity Centers link.

5.12   Community Calendar, Application Functionality
- Verify the functionality of the Monthly Calendar links.
- Verify the functionality of the Conferences/Meetings/Forums link.
- Verify the functionality of the Deadlines link.
- Verify the functionality of the Training link.

5.13.1   Financial Management System (FMS) Content
- Verify that there is a brief description of Financial Management System (FMS).
- Verify that there is a brief description of Form2000.
- Verify that there is a brief description of LEAP SLEAP.

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- Verify that there is a brief description of LARS.

5.13.2 Financial Management System (FMS), Application Functionality
- Verify the functionality of the New Users link.
- Verify the functionality of the Current Users link.

5.14.1 DataMart, Content
- Verify that there is a brief description of DataMart.

5.14.2 DataMart, Application Functionality
- Verify the functionality of the New Users link.
- Verify the functionality of the Current Users link.

5.15.1 National Student Loan Data System (NSLDS), Content
- Verify that there is a brief description of National Student Loan Data System (NSLDS).

5.15.2 National Student Loan Data System (NSLDS), Application Functionality
- Verify the functionality of the New Users link.
- Verify the functionality of the Current Users link.

5.16.1 Counseling Resources, Content
- Verify the functionality of the EOC link.
- Verify the functionality of the Federal TRIO Programs – Educational Opportunity Centers link.
- Verify the functionality of the Mapping Your Future link

5.16.2 Counseling Resources, Application Functionality
- Verify the functionality of the Email link to the content manager.

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6.0 ISSUES / QUESTIONS

The following issues / questions related to the System Integration Test Plan.

Issue	Resolution